

Notice of Allowability

Application No.

10/045,182

Examiner

MICHAEL Y. WON

Applicant(s)

LI ET AL.

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed December 27, 2007 and Interview conducted on February 11, 2008.
2. ☒ The allowed claim(s) is/are 1-10 and 12-19 (renumbered 1-17).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date See Attachment.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Michael Won/
Primary Examiner

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Steven A. Raney (Reg. No. 58,317) on February 11, 2008.

3. The application has been amended as follows:

1. **(Currently Amended)** A method for synchronizing circuit related objects between a network management system (NMS) and a network control processor (NCP), the method comprising:

maintaining data for circuit related objects at the network control processor;
receiving at the network control processor one or more commands from the network management system to translate the data for the circuit related objects;

translating the data for the circuit related objects from binary data to ASCII data in the network control processor in response to the commands, wherein the ASCII data comprises an ASCII persistence table;

receiving into the network management system ~~server~~ the ASCII data from the network control processor;

parsing the ASCII data persistence table at the network management system;
and

storing the ASCII data obtained from the ASCII persistence table in a network management system database comprising one or more records relating to individual circuits for which data is maintained at the network control processor,

wherein data for the circuit related objects stored in the network management system database is thereby synchronized with the data for the circuit related objects in the network control processor.

2. (Currently Cancelled)

3. (Currently Amended) The method of Claim 2₁, wherein the step of translating data comprises receiving an "rsh" UNIX command to translate the persistence table data from a binary persistence table to the ASCII persistence table.

6. (Currently Amended) The method of Claim 2₁, wherein the format of the ASCII persistence table is a plain text file which maintains all available records for a type of circuit related object in the network control processor, and wherein each record includes a unique key and group of names with corresponding values, and each unique key is used to identify an individual circuit.

10. **(Currently Amended)** A computer-readable storage medium carrying one or more sequences of one or more instructions for synchronizing circuit related objects between a network management system (NMS) and a network control processor (NCP), the one or more sequences of one or more instructions including instructions which, when executed by one or more processors, cause the one or more processors to perform the steps of:

- maintaining data for circuit related objects at the network control processor;
- receiving at the network control processor one or more commands from the network management system to translate the data for circuit related objects;

- translating the data for the circuit related objects from binary data to ASCII data in the network control processor in response to the commands, wherein the ASCII data comprises an ASCII persistence table;

- receiving into the network management system ~~server~~ the ASCII data from the network control processor;

- parsing the ASCII data persistence table at the network management system;
- and

- storing ~~the ASCII data~~ obtained from the ASCII persistence table in a network management system database comprising one or more records relating to individual circuits for which data is maintained at the network control processor,

- wherein data for the circuit related objects stored in the network management system database is thereby synchronized with the data for the circuit related objects in the network control processor.

11. (Currently Cancelled)

12. (Currently Amended) The computer-readable storage medium of Claim 44 10, wherein the step of translating data comprises the processor receiving an "rsh" UNIX command to translate ~~the persistence table~~ data from a binary persistence table to the ASCII persistence table.

15. (Currently Amended) The computer-readable storage medium of Claim 44 10, wherein the format of the ASCII persistence table is a plain text file which maintains all available records for a type of circuit related object in the network control processor, and wherein each record includes a unique key and group of names with corresponding values, and each unique key is used to identify an individual circuit.

19. (Currently Amended) A method for synchronizing circuit related objects between a network management system (NMS) and a network control processor (NCP), the method comprising:

sending a command for translating data for the circuit related objects from binary data to ASCII data to the NCP, wherein the NCP translates data for the circuit related objects from binary data to ASCII data in the NCP;

receiving into the network management system ~~server (NMS)~~ the ASCII data including an ASCII persistence table having information relating to one or more

individual circuits maintained at ~~from~~ the network control processor; and

processing the ASCII persistence table at the network management system;

storing the ASCII data obtained from the ASCII persistence table in a network management system database, wherein a data structure in the network management system database is thereby synchronized with the ASCII data for the circuit related objects at the network control processor.

Allowable Subject Matter

4. Claims 1, 2-10, and 12-19 are allowable over prior art of record in light of the arguments presented in the Amendment filed December 27, 2008 and the Examiner's Amendment above.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Y. Won whose telephone number is 571-272-3993. The examiner can normally be reached on M-Th: 7AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael Won/

Primary Examiner

February 12, 2008